

Form PTO-1449		Docket Number 146712004700	Application Number 10/687,584
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		Applicant Jianwei LIU et al.	
(Use several sheets if necessary)		Filing Date October 20, 2003	Group Art Unit Not Yet Assigned
		Mailing Date January 20, 2004	



U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	2/1980	4,188,434	Loran			
	2.	9/1983	4,404,247	Dominguez-Burguette et al.			
	3.	7/1985	4,526,833	Burguette et al.			
	4.	7/1985	4,529,659	Hoshino et al			
	5.	11/1985	4,552,799	Ryoke et al.			
	6.	7/1986	4,601,950	Iida et al.			
	7.	5/1987	4,664,963	Sakai et al.			
	8.	9/1987	4,693,927	Nishikawa et al.			
	9.	11/1988	4,786,544	Saito			
	10.	6/1989	4,839,244	Tsukamoto			
	11.	9/1991	5,049,410	Johary et al.			
	12.	8/1992	5,137,784	Suzuki et al.			
	13.	1/1993	5,178,954	Norman et al.			
	14.	7/1994	5,331,487	Gregory et al.			
	15.	2/1996	5,489,480	Usuki et al.			
	16.	10/1997	5,677,051	Ueda et al.			
	17.	2/1998	5,718,942	Vurens et al.			
	18.	10/1998	5,820,964	Nakakawaji et al.			
	19.	2/1999	5,869,186	Usuki et al.			
	20.	12/1999	6,001,446	Nakada et al.			
	21.	12/1999	6,001,479	Yokosawa et al.			
	22.	8/2000	6,099,762	Lewis			
	23.	8/2000	6,099,896	Stirnimann			
	24.	9/2000	6,117,964	Falcone			
	25.	7/1989	4,849,305	Yanagisawa			
✓	26.	7/1992	5,128,216	Ng			

EXAMINER: <i>John A. Rees</i>	DATE CONSIDERED: <i>11-4-2004</i>
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EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
<i>SL</i>	27.	7/1996	5,536,577	Murayama et al.			
	28.	12/1996	5,587,217	Chao et al.			
	29.	01/1999	5,858,536	Yanagisawa			
	30.	04/1997	5,618,639	Ohno et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
<i>SL</i>	31.	5/1988	JP63102038	JP			abstract
<i>SL</i>	32.	9/1988	JP63225918	JP			abstract
<i>SL</i>	33.	10/1988	JP63237216	JP			abstract
<i>SL</i>	34.	6/1991	JP3134818	JP			abstract
<i>SL</i>	35.	12/1996	JP8319491	JP			abstract
<i>SL</i>	36.	9/1998	JP10251676	JP			abstract

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

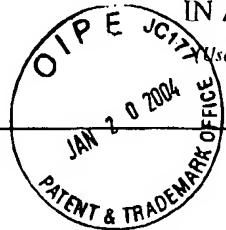
Examiner Initials	Ref. No.	Title
<i>SL</i>	37.	G. Barth et al., "Characterizing the Surface Chemistry of Magnetic Disk Media through Surface Derivatization", Solid State Technology, p. 119-121, January 1989
<i>SL</i>	38.	M. Yanagisawa, "Adsorption of perfluoro-polyethers on carbon surfaces", ASME/STLE Tribology Conference, p. 25-32, Oct. 16-20, 1994
<i>SL</i>	39.	B. DeKoven et al., "Chemistry/orientation of lubricants on hard disk magnetic media substrates (CH _x and CN _x) using near edge x-ray absorption fine structure (NEXAFS), (abstract), MRS Spring 98 Meeting, Symposium L, Materials for High-density Magnetic Recording, April 12-16, 1998
<i>SL</i>	40.	"Magnetic Materials", Annual Report, Ceramics Division, NIST, p. 1,6, 7/21/99

EXAMINER: *Jianwei Liu*

DATE CONSIDERED: *11-4-2004*

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OTHER DOCUMENTS <i>(including author, title, Date, Pertinent Pages, Etc.)</i>		
Examiner Initials	Ref. No.	Title
<i>JW</i>	41.	N. Shukla et al., "The interaction of CF ₃ CH ₂ OH and (CF ₃ CF ₂) ₂ O with amorphous carbon films, Langmuir 2000, 16, 6562-6568, 5/15/2000

EXAMINER: <i>Chewett Rees</i>	DATE CONSIDERED: <i>11-4-2004</i>
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.	